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Sequence Listing was accepted.

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Reviewer: Keisha Douglas

Timestamp: Fri Aug 31 08:59:18 EDT 2007

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Application No: 10528989

Version No: 2.0

Input Set:**Output Set:****Started:** 2007-08-20 09:26:07.159**Finished:** 2007-08-20 09:26:13.658**Elapsed:** 0 hr(s) 0 min(s) 6 sec(s) 499 ms**Total Warnings:** 27**Total Errors:** 0**No. of SeqIDs Defined:** 27**Actual SeqID Count:** 27

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
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W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
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W 213	Artificial or Unknown found in <213> in SEQ ID (14)
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W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

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Output Set:

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Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> VALTANEN, Heli et al.

<120> METHOD FOR DESIGNING PEPTIDES

<130> 0933-0238PUS1

<140> 10528989

<141> 2005-10-25

<150> PCT/FI2003/000705

<151> 2003-09-29

<160> 27

<170> PatentIn version 3.3

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic intein Fwd SapI primer

<400> 1

cctttctgct cttccaacgc cgacggggct 30

<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic intein Rev PstI primer

<400> 2

actttcaacc tgcagttacc cagcgccccc 30

<210> 3

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide encoding SEQ ID NO: 10

<400> 3

gggtggtgctc ttccaactgt acgacccatt ggggatttac tttatgttaa ctgcaggcg 59

<210> 4

<211> 15

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic primer used to convert SEQ ID NO: 3 to double-stranded form

 <400> 4
 cgctgcagt taaca 15

 <210> 5
 <211> 75
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic degenerate oligonucleotide used in the cloning of the intein-peptide fusions

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 ggtggttgct cttccaacgg cgccevavva vtatvavggc tgtaccaccc atttacttta 60
 tgttaactgc aggcg 75

 <210> 6
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 <212> DNA
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 <223> Transposon specific primer

 <400> 6
 atcagcggcc gcgatcc 17

 <210> 7
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Transposon specific primer

 <400> 7
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 <210> 8
 <211> 4
 <212> PRT
 <213> Unknown

 <220>
 <223> Peptide derived from phage

 <400> 8

Ala Asp Gly Ala

1

<210> 9

<211> 4

<212> PRT

<213> Unknown

<220>

<223> Peptide derived from phage

<400> 9

Gly Ala Ala Gly

1

<210> 10

<211> 10

<212> PRT

<213> Unknown

<220>

<223> CTT-peptide recombinantly prepared by the intein system

<400> 10

Cys Thr Thr His Trp Gly Phe Thr Leu Cys

1

5

10

<210> 11

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Non-cyclic synthetic control peptide

<400> 11

Ser Thr Thr His Trp Gly Phe Thr Leu Ser

1

5

10

<210> 12

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Ala-substitution at residue 2 of the
CTT-peptide (SEQ ID: 10)

<400> 12

Cys Ala Thr His Trp Gly Phe Thr Leu Cys

1

5

10

<210> 13
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Ala-substitution at residue 3 of the
 CTT-peptide (SEQ ID: 10)

 <400> 13
 Cys Thr Ala His Trp Gly Phe Thr Leu Cys
 1 5 10

 <210> 14
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Ala-substitution at residue 4 of the
 CTT-peptide (SEQ ID: 10)

 <400> 14
 Cys Thr Thr Ala Trp Gly Phe Thr Leu Cys
 1 5 10

 <210> 15
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Ala-substitution at residue 5 of the
 CTT-peptide (SEQ ID: 10)

 <400> 15
 Cys Thr Thr His Ala Gly Phe Thr Leu Cys
 1 5 10

 <210> 16
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Ala-substitution at residue 6 of the
 CTT-peptide (SEQ ID: 10)

 <400> 16
 Cys Thr Thr His Trp Ala Phe Thr Leu Cys
 1 5 10

 <210> 17

<211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Ala-substitution at residue 7 of the CTT-peptide (SEQ ID: 10)

<400> 17
 Cys Thr Thr His Trp Gly Ala Thr Leu Cys
 1 5 10

<210> 18
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Ala-substitution at residue 8 of a mutated CTT-peptide (SEQ ID: 10)

<400> 18
 Cys Thr Thr His Trp Gly Phe Ala Leu
 1 5

<210> 19
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Ala-substitution at residue 8 of the CTT-peptide (SEQ ID: 10)

<400> 19
 Cys Thr Thr His Trp Gly Phe Ala Leu Cys
 1 5 10

<210> 20
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 CTT-peptide with a tryptophan analogue at position 5

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> Xaa at position 5 is 5-OH-Trp, 5-F-Trp or 6-F-Trp

<400> 20

Cys Thr Thr His Xaa Gly Phe Thr Leu Cys
1 5 10

<210> 21

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Control sequence

<400> 21

Cys Glu Arg Gly Gly Leu Glu Thr Ser Cys
1 5 10

<210> 22

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Control sequence

<400> 22

Cys Pro Cys Phe Leu Leu Gly Cys Cys
1 5

<210> 23

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:

CTT-peptide with additional hydrophilic amino acids at positions 2-6 and
Gly at positions 1 and 7 which is aliphatic

<220>

<221> misc_feature

<222> (3)..(4)

<223> Xaa at positions 3 and 4 is any hydrophilic amino acid

<220>

<221> misc_feature

<222> (6)..(6)

<223> Xaa at position 6 is any hydrophilic amino acid

<400> 23

Gly Arg Xaa Xaa Tyr Xaa Gly Cys Thr Thr His Trp Gly Phe Thr Leu
1 5 10 15

Cys

<210> 24
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
CTT-peptide of SEQ ID NO: 10 with additional hydrophilic amino acids at
positions 2-6 and Gly at positions 1 and 7 which is aliphatic

<400> 24
Gly Arg Glu Asn Tyr His Gly Cys Thr Thr His Trp Gly Phe Thr Leu
1 5 10 15

Cys

<210> 25
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide derived from phage

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid and (X)n may be present or
absent. Xaa at position 5 is the peptide insertion point.

<400> 25
Ala Asp Gly Ala Xaa Gly Ala Ala Gly
1 5

<210> 26
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MMP-2 specific fluorescent peptide
substrate

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<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is MCA

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Nva

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa is Dpa

<400> 26

Xaa Pro Leu Ala Xaa Xaa Ala Arg

1 5

<210> 27

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant peptide prepared by the
intein system

<400> 27

Cys Thr Thr His Trp Gly Phe Thr Ala Cys

1 5 10